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1645

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#20

JAN 03 2002

TECH CENTER 1600/2900

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/335,581A

DATE: 12/11/2001

TIME: 10:38:07

P.5

Input Set : A:\20164011.app

Output Set: N:\CRF3\12112001\I335581A.raw

ENTERED

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3 <110> APPLICANT: BANNAN, JASON D.
4     ZABRISKIE, JOHN B
6 <120> TITLE OF INVENTION: PEPTIDES USEFUL FOR REDUCING SYMPTOMS OF TOXIC SHOCK
7     SYNDROME AND SEPTIC SHOCK
9 <130> FILE REFERENCE: 20164010US2
11 <140> CURRENT APPLICATION NUMBER: 09/335,581A
12 <141> CURRENT FILING DATE: 1999-06-18
14 <150> PRIOR APPLICATION NUMBER: 08/838,413
15 <151> PRIOR FILING DATE: 1997-04-07
17 <150> PRIOR APPLICATION NUMBER: PCT/US98/06663
18 <151> PRIOR FILING DATE: 1998-04-01
20 <150> PRIOR APPLICATION NUMBER: 09/168,303
21 <151> PRIOR FILING DATE: 1998-10-07
23 <160> NUMBER OF SEQ ID NOS: 80
25 <170> SOFTWARE: PatentIn Ver. 2.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 10
29 <212> TYPE: PRT
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <221> NAME/KEY: UNSURE
34 <222> LOCATION: (4)
35 <223> OTHER INFORMATION: XAA may be L, I or V
37 <220> FEATURE:
38 <221> NAME/KEY: UNSURE
39 <222> LOCATION: (6)..(9)
40 <223> OTHER INFORMATION: XAA may be any amino acid
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
44     Sequence derived from staphylococcal and
45     streptococcal toxins
47 <400> SEQUENCE: 1
W--> 48 Tyr Gly Gly Xaa Thr Xaa Xaa Xaa Xaa Asn
49     1             5             10
52 <210> SEQ ID NO: 2
53 <211> LENGTH: 24
54 <212> TYPE: PRT
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
59     sequence derived from staphylococcal and
60     streptococcal toxins
62 <220> FEATURE:
63 <221> NAME/KEY: UNSURE
64 <222> LOCATION: (11)..(13)
65 <223> OTHER INFORMATION: XAA may be any amino acid
67 <220> FEATURE:

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68 <221> NAME/KEY: UNSURE
69 <222> LOCATION: (15)..(16)
70 <223> OTHER INFORMATION: XAA may be any amino acid
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73 <221> NAME/KEY: UNSURE
74 <222> LOCATION: (2)..(3)
75 <223> OTHER INFORMATION: XAA may be any amino acid
77 <220> FEATURE:
78 <221> NAME/KEY: UNSURE
79 <222> LOCATION: (4)
80 <223> OTHER INFORMATION: XAA may be L, I or V
82 <220> FEATURE:
83 <221> NAME/KEY: UNSURE
84 <222> LOCATION: (5)..(8)
85 <223> OTHER INFORMATION: XAA may be any amino acid
87 <220> FEATURE:
88 <221> NAME/KEY: UNSURE
89 <222> LOCATION: (9)
90 <223> OTHER INFORMATION: XAA may be L, I or V
92 <220> FEATURE:
93 <221> NAME/KEY: UNSURE
94 <222> LOCATION: (18)..(22)
95 <223> OTHER INFORMATION: XAA may be any amino acid
97 <220> FEATURE:
98 <221> NAME/KEY: UNSURE
99 <222> LOCATION: (23)
100 <223> OTHER INFORMATION: XAA may be L, I or V
102 <400> SEQUENCE: 2
W--> 103 Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Xaa Xaa Xaa Arg Xaa Xaa
      104   1             5             10             15
W--> 106 Leu Xaa Xaa Xaa Xaa Xaa Xaa Tyr
      107             20
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111 <211> LENGTH: 12
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence:Consensus
117     sequence derived from staphylococcal and
118     streptococcal toxins
120 <400> SEQUENCE: 3
121 Cys Met Tyr Gly Gly Val Thr Glu His Glu Gly Asn
122   1             5             10
125 <210> SEQ ID NO: 4
126 <211> LENGTH: 24
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence:Consensus

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132     sequence derived from staphylococcal and
133     streptococcal toxins
135 <400> SEQUENCE: 4
136 Lys Lys Asn Val Thr Val Gln Glu Leu Asp Tyr Lys Ile Arg Lys Tyr
137   1             5             10             15
139 Leu Val Asp Asn Lys Lys Leu Tyr
140             20
143 <210> SEQ ID NO: 5
144 <211> LENGTH: 14
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence:Consensus
150     sequence derived from staphylococcal and
151     streptococcal toxins
153 <400> SEQUENCE: 5
154 Cys Met Tyr Gly Gly Val Thr Glu His Glu Gly Asn Gly Cys
155   1             5             10
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 28
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence:Consensus
165     sequence derived from staphylococcal and
166     streptococcal toxins
168 <400> SEQUENCE: 6
169 Cys Gly Lys Lys Asn Val Thr Val Gln Glu Leu Asp Tyr Lys Ile Arg
170   1             5             10             15
172 Lys Tyr Leu Val Asp Asn Lys Lys Leu Tyr Gly Cys
173             20             25
176 <210> SEQ ID NO: 7
177 <211> LENGTH: 36
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence:Consensus
183     sequence derived from staphylococcal and
184     streptococcal toxins
186 <400> SEQUENCE: 7
187 Cys Met Tyr Gly Gly Val Thr Glu His Glu Gly Asn Lys Lys Asn Val
188   1             5             10             15
190 Thr Val Gln Glu Leu Asp Tyr Lys Ile Arg Lys Tyr Leu Val Asp Asn
191             20             25             30
193 Lys Lys Leu Tyr
194             35
197 <210> SEQ ID NO: 8
198 <211> LENGTH: 38
199 <212> TYPE: PRT

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Input Set : A:\20164011.app

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200 <213> ORGANISM: Artificial Sequence
 202 <220> FEATURE:
 203 <223> OTHER INFORMATION: Description of Artificial Sequence:Consensus
 204 sequence derived from staphylococcal and
 205 streptococcal toxins
 207 <400> SEQUENCE: 8
 208 Cys Met Tyr Gly Gly Val Thr Glu His Glu Gly Asn Lys Lys Asn Val
 209 1 5 10 15
 211 Thr Val Gln Glu Leu Asp Tyr Lys Ile Arg Lys Tyr Leu Val Asp Asn
 212 20 25 30
 214 Lys Lys Leu Tyr Gly Cys
 215 35
 218 <210> SEQ ID NO: 9
 219 <211> LENGTH: 12
 220 <212> TYPE: PRT
 221 <213> ORGANISM: Staphylococcus
 223 <400> SEQUENCE: 9
 224 Cys Met Tyr Gly Gly Val Thr Leu His Asp Asn Asn
 225 1 5 10
 228 <210> SEQ ID NO: 10
 229 <211> LENGTH: 12
 230 <212> TYPE: PRT
 231 <213> ORGANISM: Staphylococcus
 233 <400> SEQUENCE: 10
 234 Cys Met Tyr Gly Gly Val Thr Glu His Asn Gly Asn
 235 1 5 10
 238 <210> SEQ ID NO: 11
 239 <211> LENGTH: 12
 240 <212> TYPE: PRT
 241 <213> ORGANISM: Staphylococcus
 243 <400> SEQUENCE: 11
 244 Cys Met Tyr Gly Gly Ile Thr Lys His Glu Gly Asn
 245 1 5 10
 248 <210> SEQ ID NO: 12
 249 <211> LENGTH: 12
 250 <212> TYPE: PRT
 251 <213> ORGANISM: Staphylococcus
 253 <400> SEQUENCE: 12
 254 Cys Thr Tyr Gly Gly Val Thr Pro His Glu Gly Asn
 255 1 5 10
 258 <210> SEQ ID NO: 13
 259 <211> LENGTH: 12
 260 <212> TYPE: PRT
 261 <213> ORGANISM: Staphylococcus
 263 <400> SEQUENCE: 13
 264 Cys Met Tyr Gly Gly Val Thr Leu His Asp Asn Asn
 265 1 5 10
 268 <210> SEQ ID NO: 14
 269 <211> LENGTH: 11

RAW SEQUENCE LISTING

DATE: 12/11/2001

PATENT APPLICATION: US/09/335,581A

TIME: 10:38:07


Input Set : A:\20164011.app

Output Set: N:\CRF3\12112001\I335581A.raw

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270 <212> TYPE: PRT
271 <213> ORGANISM: Staphylococcus
273 <400> SEQUENCE: 14
274 Cys Leu Tyr Gly Gly Ile Thr Leu Asn Ser Glu
275   1           5           10
278 <210> SEQ ID NO: 15
279 <211> LENGTH: 12
280 <212> TYPE: PRT
281 <213> ORGANISM: Streptococcus
283 <400> SEQUENCE: 15
284 Cys Ile Tyr Gly Gly Val Thr Asn His Glu Gly Asn
285   1           5           10
288 <210> SEQ ID NO: 16
289 <211> LENGTH: 12
290 <212> TYPE: PRT
291 <213> ORGANISM: Streptococcus
293 <400> SEQUENCE: 16
294 Tyr Ile Tyr Gly Gly Ile Thr Pro Ala Gln Asn Asn
295   1           5           10
298 <210> SEQ ID NO: 17
299 <211> LENGTH: 12
300 <212> TYPE: PRT
301 <213> ORGANISM: Streptococcus
303 <400> SEQUENCE: 17
304 Cys Met Tyr Gly Gly Val Thr Glu His His Arg Asn
305   1           5           10
308 <210> SEQ ID NO: 18
309 <211> LENGTH: 24
310 <212> TYPE: PRT
311 <213> ORGANISM: Staphylococcus
313 <400> SEQUENCE: 18
314 Lys Lys Asn Val Thr Val Gln Glu Leu Asp Leu Gln Ala Arg Arg Tyr
315   1           5           10           15
317 Leu Gln Glu Lys Tyr Asn Leu Tyr
318           20
321 <210> SEQ ID NO: 19
322 <211> LENGTH: 24
323 <212> TYPE: PRT
324 <213> ORGANISM: Staphylococcus
326 <400> SEQUENCE: 19
327 Lys Lys Lys Val Thr Ala Gln Glu Leu Asp Tyr Leu Thr Arg His Tyr
328   1           5           10           15
330 Leu Val Lys Asn Lys Lys Leu Tyr
331           20
334 <210> SEQ ID NO: 20
335 <211> LENGTH: 24
336 <212> TYPE: PRT
337 <213> ORGANISM: Staphylococcus
339 <400> SEQUENCE: 20

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 Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 12/11/2001

PATENT APPLICATION: US/09/335,581A

TIME: 10:38:08

Input Set : A:\20164011.app

Output Set: N:\CRF3\12112001\I335581A.raw

L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31